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NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40
minutes
NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source
(CS) field
NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5 AUG 24 CA/CaPlus enhanced with legal status information for
U.S. patents
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in
CAS REGISTRY
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM
thesaurus
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and
Taiwanese Content Expanded
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human
translated claims for Chinese Applications and
Utility Models
NEWS 10 NOV 23 Addition of SCAN format to selected STN databases
NEWS 11 NOV 23 Annual Reload of IFI Databases
NEWS 12 DEC 01 FRFULL Content and Search Enhancements
NEWS 13 DEC 01 DGENE, USGENE, and PCTGEN: new percent identity
feature for sorting BLAST answer sets
NEWS 14 DEC 02 Derwent World Patent Index: Japanese FI-TERM
thesaurus added
NEWS 15 DEC 02 PCTGEN enhanced with patent family and legal status
display data from INPADOCDB
NEWS 16 DEC 02 USGENE: Enhanced coverage of bibliographic and
sequence information
NEWS 17 DEC 21 New Indicator Identifies Multiple Basic Patent
Records Containing Equivalent Chemical Indexing
in CA/CaPlus

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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=> S Clupeine or protamine (p) (ompt protease or protease VII)
L1 685 CLUPEINE OR PROTAMINE (P) (OMPT PROTEASE OR PROTEASE VII)

=> S Clupeine (p) (ompt protease or protease VII)
L2 0 CLUPEINE (P) (OMPT PROTEASE OR PROTEASE VII)

=> S protamine (4a) (ompt protease or protease VII)
L3 1 PROTAMINE (4A) (OMPT PROTEASE OR PROTEASE VII)

=> d l3 bib ab

L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2009 ACS ON STN
AN 1998:524254 HCAPLUS
DN 129:214014
OREF 129:43415a,43418a

TI Identification of Ompt as the protease that hydrolyzes the antimicrobial peptide protamine before it enters growing cells of Escherichia coli
AU Stumpe, Stefan; Schmid, Roland; Stephens, Daren L.; Georgiou, George;

Bakker, Evert P.
 CS Abteilung Mikrobiologie, Universitat Osnabruck, Osnabruck, D-49069,
 Germany
 SO Journal of Bacteriology (1998), 180(15), 4002-4006
 CODEN: JOBAAAY; ISSN: 0021-9193
 PB American Society for Microbiology
 DT Journal
 LA English
 AB The influence of extracytoplasmic proteases on the resistance of
 Escherichia coli to the antimicrobial peptide protamine was investigated
 by testing strains with deletions in the protease genes degP, ptr, and
 ompT. Only Δ ompT strains were hypersusceptible to protamine. This
 effect was abolished by plasmids carrying ompT. Both at low and at high
 Mg²⁺ concns., ompT+ strains cleared protamine from the medium within a few
 minutes. By contrast, at high Mg²⁺ concns., protamine remained present
 for at least 1 h in the medium of an ompT strain. These data indicate
 that OmpT is the protease that degrades protamine and that it exerts this
 function at the external face of the outer membrane.
 OSC.G 86 THERE ARE 86 CAPLUS RECORDS THAT CITE THIS RECORD (86 CITINGS)
 RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT